

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

1. (Cancelled).

2. (Currently amended): The fluid processing device as defined in claim 11 ~~A field converter as defined in claim 1,~~ wherein,
said material pieces have identical shape and identical size to each other,
said hole having a circular prism shape, a central axis of said hole is identical with said central axis of said material piece, and
said arrangement is one such that said bases of said material pieces makes a plane and said sides of said material pieces are adjacent to each other.

3. (Cancelled)

4. (Currently amended): The fluid processing device as defined in claim 11 ~~A field converter comprising a plurality of said field converters as defined in claim 1,~~ wherein said field ~~converters~~ material pieces are piled one on top of the other within said casing.

5. (Currently amended): The fluid processing device as defined in claim 11 ~~A field converter~~ further comprising a plurality of said casings ~~field converters as defined in claim 1,~~ wherein, said ~~field converters~~ casings are piled one on top of the other, and

the central axes of the central material pieces ~~of said kind of concentric circle arrangements~~ within the plurality of casings are generally aligned.

6. (Currently amended): The fluid processing device as defined in claim 11 ~~A field converter as defined in claim 1,~~ wherein, material of said material piece is SUS304 stainless steel.

7. (Cancelled).

8. (Currently amended): The fluid processing device as defined in claim 11 ~~A field converter as defined in claim 1,~~ wherein,

a length of the side of said equilateral hexagon being designated as a cross section of said equilateral hexagonal prism of said material piece, is equal to or less than 10 mm, and

a height of said equilateral hexagonal prism is shorter than said length of said side.

9. (Currently amended): The fluid processing device as defined in claim 11 ~~A field converter as defined in claim 1,~~ wherein,

said spiral groove of said internal perimeter surface of said hole of said material piece, has a triangular screw thread shape.

10. (Currently amended): The fluid processing device as defined in claim 11 ~~A field converter as defined in claim 1~~, wherein the container ~~field converter~~ is housed in a sealed ~~container~~ of SUS304 stainless steel.

11. (Currently amended): A fluid processing device comprising,
a ~~hollow~~ container having an intake and an outlet, and
~~said field converter as defined in claim 1~~,
heat-treated material pieces provided within said container, said material pieces each having an external shape of an equilateral hexagonal prism, and said material pieces each having a hole of an annular section penetrating through a base and a top thereof;
an internal surface of said hole having a spiral groove;
a material of said material piece being selected from the group consisting of austenitic stainless steel, martensitic stainless steel;
a casing securely fixing the material pieces in an arrangement and said casing having openings in a top plate and a bottom plate corresponding to said holes of the material pieces;

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said arrangement being such that central axes of the material pieces are parallel to each other; wherein said central axes of each is an axis which is parallel to six sides of said equilateral hexagonal prism and perpendicular to said base and said top thereof;

wherein said arrangement is one such that said material pieces form a second equilateral hexagonal prism within said casings and said holes in the material pieces and openings in the casing are aligned;

wherein said material pieces within said casing are [[is]] positioned in said container between the intake and outlet.

12. (Currently amended): A fluid processing device as defined in claim 11, wherein,
said openings in said casing ~~central axes of the material pieces being constituent of the field converter~~, are generally aligned with a principal stream direction of processed fluid which pass through said container.

13. (Original): A fluid processing device as defined in claim 12, wherein,
said fluid is liquid, and
said fluid processing device is connected to a service pipe to supply said liquid, and said liquid is pressurized comparing with surrounding atmospheric pressure in said pipe.

14-15. (Cancelled).